

formed from the correction table of black included in the correcting tables of the respective colors;

an operation panel to set a type of the original read by the scanner and specifying whether the original is of a full-color mode or a mono-color black mode;

a first correction unit to correct, when the operation panel has set the full-color mode, the color signals converted by the conversion unit, using the correction tables of the respective colors including black stored in the memory;

A¹ a second correction unit to correct, when the operation panel has set the mono-color black mode, the color signals converted by the conversion unit, using the correction tables of the respective colors including black stored in the memory, and further correct the color signals using the error correction table of the mono-color black stored in the memory; and

an image forming unit to form an image based on the color signals corrected by the first or second correction unit.

4. (Amended) An image forming apparatus according to claim 3, wherein the image signals generated by the scanner are red, green and blue signals.

5. (Amended) An image forming apparatus according to claim 3, wherein the color signals converted by the conversion unit are cyan, magenta and yellow.

6. (Amended) An image forming apparatus according to claim 3, wherein the color signals corrected by the first correction unit are cyan, magenta and yellow of the color signals converted by the conversion unit, and black generated from these color signals.

A² 8. (New) A correction table forming method for forming correction tables used in a color image forming apparatus having a color printer:

reading out prestored correction data corresponding to plural colors;
generating color signals at predetermined screen angles for the respective colors including black by using correction data corresponding to the plural colors;
printing out screen patterns for the respective colors by the color printer of the color image forming apparatus based on the color signals; and
forming correction tables by using the screen patterns for the respective colors.

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9. (New) A correction table forming method for forming correction tables used in a color image forming apparatus having a color printer:

reading out prestored correction data corresponding to plural colors;
generating color signals including a first black and a second black at predetermined screen angles for the respective colors including a screen angle for the first black and a screen angle for the second black, which differs from the screen angle for the first black by using the correction data corresponding to the plural colors;
printing out screen patterns for the respective colors by the color printer of the color image forming apparatus based on the color signals; and
forming correction tables by using the screen patterns for the respective colors.
